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<b>POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS</b>	Application Number	10/038,916
	Filing Date	01/08/2002
	First Named Inventor	Ming JIA
	Title	METHOD AND APPARATUS FOR CHANNEL QUALIT
	Art Unit	2611
	Examiner Name	Qutbuddin GHULAMALL
	Attorney Docket Number	22493-149U (14769ROUS02U)

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

31292

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number.

OR

☒ The address associated with Customer Number:

31292

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

OR

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on \_\_\_\_\_

SIGNATURE of Applicant or Assignee of Record

Signature

Date

Name

Telephone

Title and Company

**NOTE:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.☒ \*Total of Two forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Nortel Networks LimitedApplication No./Patent No.: 10/038,916Filed/Issue Date: January 8, 2002Titled: METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTSNortel Networks Limited, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012764, Frame 0822, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

LUIS ESTABLE

Printed or Typed Name

Date

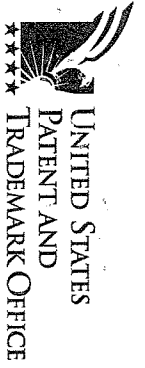
Sept 2, 2009

Title

IP, CTO

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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77993-1042

DECEMBER 13, 2002

PTAS

Under Secretary of Commerce for Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

SMART & BIGGAR  
R. ALLAN BRETT  
P.O. BOX 2999, STATION D  
900-55 METCALFE ST.  
OTTAWA, ONTARIO CANADA K1P 5Y6

CORRECTED  
NOTICE



\*102306963A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/05/2002

REEL/FRAAME: 012764/0822  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JIA, MING

DOC DATE: 03/07/2002

ASSIGNOR:

MA, JIANGLEI

DOC DATE: 03/07/2002

ASSIGNOR:

ZHU, PEIYING

DOC DATE: 03/07/2002

ASSIGNOR:

YU, DONG-SHENG

DOC DATE: 03/12/2002

ASSIGNOR:

TONG, WEN

DOC DATE: 03/07/2002

ASSIGNEE:

NORTEL NETWORKS LIMITED  
2351 BOULEVARD ALFRED-NOBEL  
LAURENT, QUEBEC, CANADA H4S 2A9

012764/0822 PAGE 2

SERIAL NUMBER: 10038916  
PATENT NUMBER:

FILING DATE: 01/08/2002  
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-11-02 12:18  
11-07-02 15:05

ID=613 232 8440  
10013 232 8440

P.05

Docket No.: 71493-1042 /pw

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Form PTO-1585 (Modified)  
(Rev. 03-01)  
OMB No. 0551-0427 (Rev. 03/12/2002)  
P05A/REV03

APR 05 2002

12-11-2002

102306963

Attached original documents or copy thereof:  
Ass of receiving party(ies):

To the Honorable Commissioner of Patents  
To the Honorable Commissioner of Trademarks

1. Name of conveying party(ies):

MING JIA; JIANGJIE MA; PEIYING ZHU;  
DONG-SHENG YU and WEN TONG

Name: NORTEL NETWORKS LIMITED  
Address: 2351 Boulevard Alfred-Nobel

Additional name(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: March 7, 2002 & March 12, 2002

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:

Patent Application No. Filing date

10/038,916

01/08/02

B. Patent No.(s)

04/10/2002 101621 00000106 10039316  
01 F1:501 40.00 00 Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: R. Allan Brett

Registration No. 40476

Address: SMART & BIGGAR

P.O. Box 2999, Station D

900-55 Metcalfe Street

City: Ottawa

State/Prov.: Ontario

Country: Canada

ZIP: K1P 5Y6

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-2550

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

Statement and signature.

I, the undersigned, being duly sworn, depose and believe, the foregoing information is true and correct and any attached copy is a true copy of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of my knowledge and belief.

Ex. No. 40476

By Signing

Signature

3

Date

April 4, 2002

## **SMART & BIGGAR**

*Intellectual Property & Technology Law*

To Fax No.: 703 308-7124

Phone No.: 703 308-9721

Page 1 of: 7

Attention: Regina White

From: Angela Armstrong-Baker

Your file No.: Date: December 11, 2002

Reply to Ottawa file no.: 71493-1042 Time:

P.O. Box 2999, Station D  
55 Metcalfe Street, Suite 900  
Ottawa, Canada K1P 5Y6

Tel.: (613) 232-2486  
Fax: (613) 232-8440

If there are any transmission problems, please call (613) 232-2486.

Original copy and any enclosures ☐ will be sent by ☐ mail  
☒ will not ☐ courier

# TRANSMITTAL LETTER

(General - Patent Pending)

Docket No.  
71493-1042 /ala

In Re Application Of: MING JIA, ET AL.

Serial No.	Filing Date	Examiner	Group Art Unit
10/038,916	January 8, 2002		2661

Title:

METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTS

## TO THE ASSISTANT COMMISSIONER FOR PATENTS:

### Transmitted herewith is: REQUEST FOR CORRECTED NOTICE OF RECORDATION ASSIGNMENT

Applicant respectfully requests a further Corrected Notice of Recordation of Assignment Document wherein the postal code for the Assignee is indicated as "H4S 2A9". Enclosed is a copy of the corrected Notice of Recordation with the change noted thereon, together with a copy of our Recordation Form Cover Sheet and Assignment, as previously filed.

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 19-2550 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Dated: December 6, 2002

*Signature*

Allan Brett (Reg. No. 40,476)  
SMART & BIGGAR  
P.O. Box 2999, Station D  
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Ottawa, Ontario  
K1P 5Y6 Canada

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

*Signature of Person Mailing Correspondence*

71493-1042 /10

ASSIGNMENT  
NORTEL NETWORKS LIMITED

For value received, we the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

whose address is:

NORTEL NETWORKS LIMITED  
2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec  
Canada H4S 2A9

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTS

set forth in an application for letters patent of the UNITED STATES OF AMERICA

Serial No. 10/038,916, filed on January 8, 2002

and all rights and privileges under any and all letters patent that may be granted for said inventions.

Shi Ming Shi Ming Date: March 7, 2002  
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